

AMENDMENTS TO THE CLAIMS

Please cancel all pending claims, i.e., claims 1-9, without prejudice or disclaimer of the subject matter recited therein and please add new claims 10-29 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-9 (Canceled)

10. (New) A cylinder, comprising:

a rotatable and perforated cylinder covering;

at least one sealing element non-contactingly disposed near an inner wall of the cylinder covering; and

at least one pressure area sealed in relation to the cylinder covering by the at least one sealing element.

11. (New) The cylinder of claim 10, wherein a distance between the inner wall and the at least one sealing element is less than 1 mm.

12. (New) The cylinder of claim 10, wherein a distance between the inner wall and the at least one sealing element is less than 300 mm.

13. (New) The cylinder of claim 10, wherein a distance between the inner wall and the at least one sealing element is less than 50 mm.

14. (New) The cylinder of claim 10, wherein a distance between the inner wall and the at least one sealing element is constant.

15. (New) The cylinder of claim 10, wherein a distance between the inner wall and the at least one sealing element varies in at least one of an axial direction and a circumferential direction.

16. (New) The cylinder of claim 10, wherein the at least one sealing element extends in an axial direction along a complete length of the cylinder.

17. (New) The cylinder of claim 10, wherein the at least one sealing element extends in an axial direction along only a partial length of the cylinder.

18. (New) The cylinder of claim 10, wherein the at least one sealing element extends in a circumferential direction along an entirety of the inner wall.

19. (New) The cylinder of claim 10, wherein the at least one sealing element extends in a circumferential direction along a majority of the inner wall.

20. (New) The cylinder of claim 19, further comprising holding elements fastening the at least one sealing element.

21. (New) The cylinder of claim 20, wherein the holding elements are fastened to a fixed axis or a front side of the cylinder.

22. (New) The cylinder of claim 10, further comprising at least one adjusting element structured and arranged to pivot the at least one sealing element in a radial direction.

23. (New) The cylinder of claim 10, wherein:

the at least one sealing element is embodied in a flat-shaped manner,

the cylinder is structured and arranged for suction or blowing in a machine for producing or shaping paper, cardboard, tissue, or other fibrous material, and

the at least one pressure area is connected to one of a low pressure source and a high pressure source.

24. (New) A pressure cylinder, comprising:

a rotatable and perforated cylinder covering;

at least one sealing element non-contactingly disposed circumferentially near an inner wall of the cylinder covering; and

a pressure compartment being fixed relative to the cylinder covering and sealed in relation to the cylinder covering by the at least one sealing element.

25. (New) The pressure cylinder of claim 24, wherein the at least one sealing element comprises:

a first flat-shaped sealing element disposed along a first circumferential portion of the inner wall; and

a second flat-shaped sealing element disposed along a second circumferential portion of the inner wall.

26. (New) The pressure cylinder of claim 25, further comprising:

a first adjusting element structured and arranged to bend a first end of the first flat-shaped sealing element inward;

a second adjusting element structured and arranged to bend a second end of the first flat-shaped sealing element inward;

a third adjusting element structured and arranged to bend a first end of the second flat-shaped sealing element inward; and

a fourth adjusting element structured and arranged to bend a second end of the second flat-shaped sealing element inward.

27. (New) The pressure cylinder of claim 24, wherein the at least one sealing element extends along substantially all of a circumference of the inner wall except for a portion corresponding to a contact region of an air-permeable belt.

28. (New) The pressure cylinder of claim 24, wherein the at least one sealing element defines the pressure compartment.

29. (New) A method of providing suction or blowing pressure to a fibrous web carried on an air-permeable belt, comprising:

moving the air-permeable belt along a rotating and perforated cylinder covering;

sealing a stationary pressure area inside the cylinder covering with at least one flat-shaped sealing element non-contactingly disposed along a circumferential portion of an inner wall of the cylinder covering.